TOSHIBA

28/32ZH46/47 Series

Owner's manual

true experience

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Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply

The mains supply required for this equipment is 230v AC 50Hz. Never connect to a DC supply or any other power source. DO ensure that the television is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK the fuse fitted in this plug is approved by ASTA or BSI to *BS1362*. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.
IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand or legs with the fixings provided according to the instructions.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL – NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case – this could result in a fatal electric shock.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

TO FULLY DISCONNECT THE TELEVISION, SWITCH OFF THE MAINS SOCKET AND REMOVE THE POWER PLUG.

Installation and important information

Where to install

Locate the television away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Place on a sturdy platform, the mounting surface should be flat and steady, it should then be secured to the wall with a sturdy tie using the hook on the back of the television, this will prevent it from falling over. A stand is available for this television. Use curtains or blinds to prevent direct sunlight falling on the screen.

Make sure the television is located in a position where it cannot be pushed or hit by objects and that small items cannot be inserted into slots or openings in the case.

Cleaning the screen and cabinet...

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you ***do not*** *use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

When the television reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

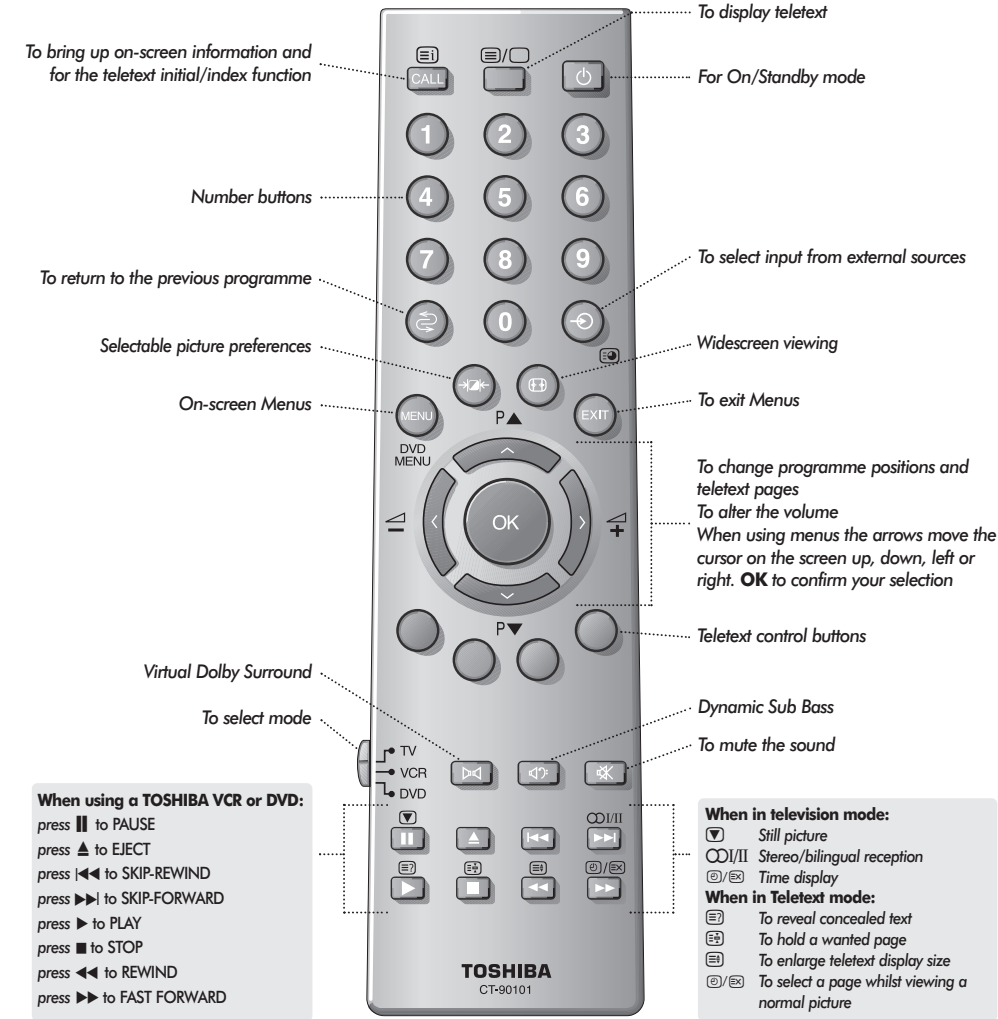
i) fire;
ii) earthquake;
iii) accidental damage;
iv) intentional misuse of the product;
v) use of the product in improper conditions;
vi) loss and/or damge caused to the product whilst in the possession of a third party;
vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

If stationary images generated by teletext, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.

The remote control

Simple at-a-glance reference of your remote control.

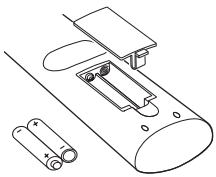


When using a TOSHIBA VCR or DVD:
press ⏸ to PAUSE
press ⏏ to EJECT
press ⏮ to SKIP-REWIND
press ⏭ to SKIP-FORWARD
press ▶ to PLAY
press ■ to STOP
press ◀◀ to REWIND
press ▶▶ to FAST FORWARD

When in television mode:
Still picture
I/II *Stereo/bilingual reception*
Time display

When in Teletext mode:
To reveal concealed text
To hold a wanted page
To enlarge teletext display size
To select a page whilst viewing a normal picture

Inserting batteries and effective range of the remote



Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round.

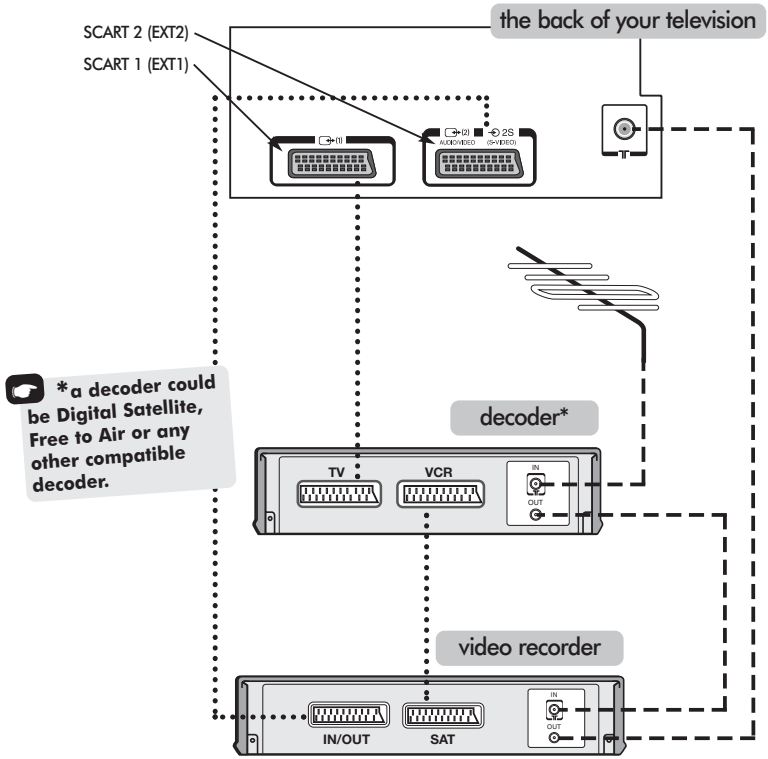
Suitable battery types for this remote are UM-4, AAA, IEC R03 1.5V.

Do not combine a used, old battery with a new one or mix battery types. Dispose of them in a designated disposal area.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television.

Connecting external equipment

Before connecting any external equipment, turn off all main power switches. If there is no switch remove the mains plug from the wall socket.



WE RECOMMEND THAT YOU USE SCART LEADS IN ADDITION TO AERIAL CABLES WHEREVER POSSIBLE

Aerial cables:

Connect the aerial to the socket on the rear of the television. If you use a decoder* and/or a video recorder it is essential that the aerial cable is connected through the decoder and/or through the video recorder to the television.

SCART leads:

Connect the video recorder **IN/OUT** socket to the television. Connect the decoder **TV** socket to the television. Connect the video recorder **SAT** socket to the decoder **VCR** socket.

Before running **Auto tuning** put your decoder and video recorder to **Standby**.

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for *all* additional equipment *must* be referred to.

We recommend *SCART 1* for a decoder, *SCART 2* for a VCR and *Input 3* for additional equipment.

If connecting S-VIDEO equipment, set the **INPUT** for **EXT2**. *See page 16.*

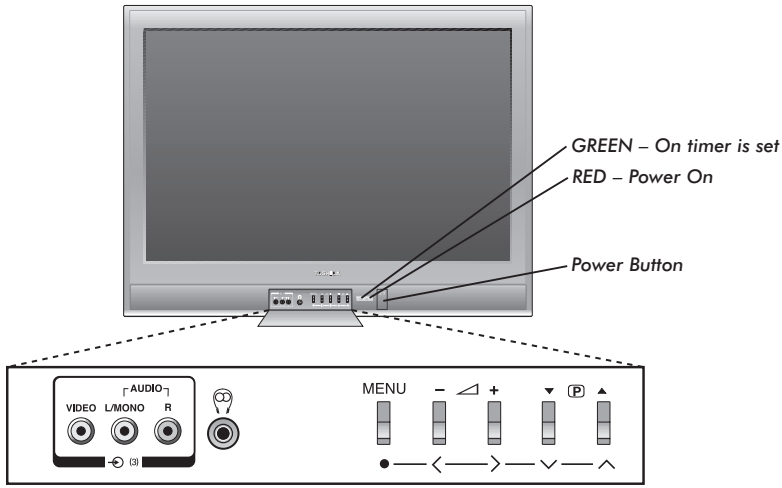
If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button.

To recall external equipment, press ⊕ to select between **EXT1**, **EXT2** and **EXT3**.

Front connections and controls

A wide variety of external equipment can be connected via the sockets located behind the flap on the television. Press the centre of the flap to open it.

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.



Switching on

If the power-on light is unlit press the POWER button on the front of the television to switch the television on, then press a number button on the remote control to see the screen.

To put the television into Standby press ⏻ on the remote control. To view the television press ⏻ again or any of the number buttons. The picture may take a few seconds to appear. Standby should only be used for short periods of time.

To set up the television you will now need to use the on-screen menus. Press the **MENU** button on the remote control to see the top menu bar.

This white menu bar will show five different topics shown in symbols. As each symbol is selected by pressing the ❮ or ❯ button on the remote control, its respective options will appear below.

To use the options press the ⌄ button on the remote control to move down through them and ❮ or ❯ to select the required choice. Follow the on screen instructions.

The functions of each menu are described in detail throughout the manual.

Using the controls and connections

To alter the volume press — ◿ +.

To alter the programme position press ▼ Ⓟ ▲.

Press **MENU** and ❮, ❯, ⌄ or ⌃ to control the sound and picture options.

Press **MENU** to finish.

Before connecting any external equipment, turn off all main power switches.

When connecting mono sound equipment to ***Input 3***, connect the audio output of the equipment to the L/Mono socket on the television.

To select the Inputs, press ⊕ until the display shows **EXT3** as described on *page 16*.

Please always refer to the owner's manual of the equipment to be connected for full details.

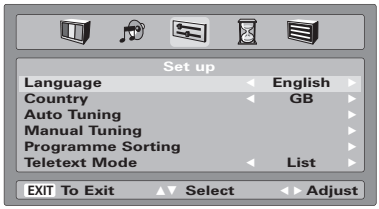
Please note: Inserting the headphone jack will mute the sound from all speakers.

Selecting the language, country and system, Auto tune, Programme sorting

Before running Auto tune put your decoder and video recorder (VCR) to **Standby** if they are connected. To set up the television use the buttons on the remote control as detailed on page 5.

1 To choose the required language, press **MENU** and use ❯ to select **Set up**.

2 Press ❯ to highlight **Language**.



3 Press ❮ or ❯ to select.

4 If you need to change the country, press ❯ to highlight **Country**. Then ❮ or ❯ to select. The television will now tune the stations for your country.

Country	England	Germany	France	Spain	Italy	Portugal
Abbreviation	GB	D	F	E	I	P

5 Now press ❯ to highlight **Auto Tuning**, then ❯ to select.

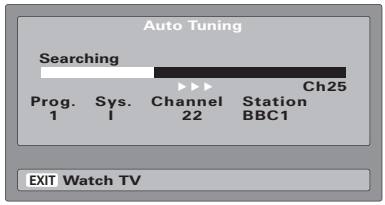
6 Your **System** will have been selected, if there is a choice, press ❮ or ❯ to select from the systems displayed.

B/G – Continental Europe, **I** – UK
D/K – Eastern Europe, **L1**, **L2** – France

7 Press ❯ to highlight **START** then **OK** to start **Auto Tuning**.

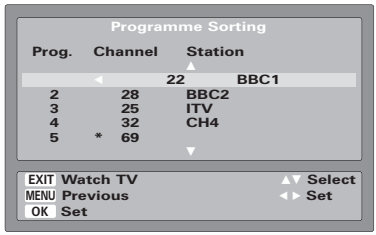
8 The search will begin for all available stations. ▶▶▶ will flash and the bar will move along the line as the search progresses.

You must allow the television to complete the search.



9 When the search is complete the television will automatically return to programme position 1. This may not be a clear picture or the signal may be weak, so the station order may be changed by using **Programme Sorting** which will appear on the screen.

10 The list of stations is now showing. With ❯ or ❮ highlight the station you want to *move* and press **OK** or ❯. The selected station will be moved to the right of the screen.



11 Use ❯ or ❮ to move through the list to your *preferred* position.

12 Press **OK** or ❮ to set your move. The other stations will move to make room.

13 Repeat as necessary, then press **EXIT**.

If the television cannot be connected to a VCR/decoder with a SCART lead or if a station on another ***system*** is required, use **Manual tuning** to allocate a programme position, *see page 9*.

Manual tune

As an alternative to **Auto Tuning**, the television can be tuned-in manually using **Manual Tuning**. For example: if the television cannot be connected to a VCR/decoder with a SCART lead or to tune-in a station on another **System** (*see page 8*).

Use ❮ and ❯ to move across the screen and select any of these Manual Tune options.

Programme: The number to be pressed on the remote control.

System: Specific to certain areas. *See page 8.*

Search: Search up and down for a signal.

Programme skip: ∗ means nothing has been stored or the facility to *skip* the channel is ON. *See page 10.*

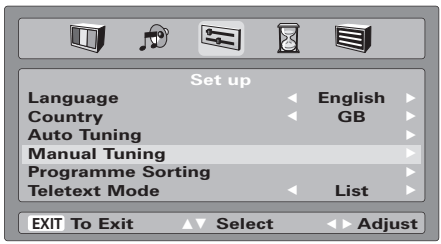
Channel: The channel number on which a station is being broadcast.

Manual fine tuning: Only used if interference/weak signal is experienced. *See page 19.*

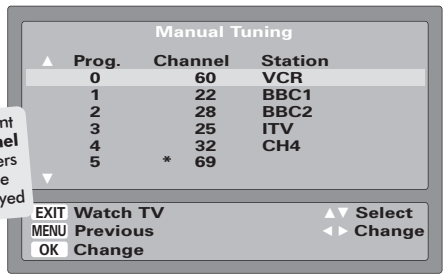
Station Name: Station identification. Use the ^ or v and ❮ or ❯ buttons to enter up to eight characters.

To allocate a programme position on the television for a decoder and VCR: turn the decoder on, insert a pre-recorded tape in the VCR and press PLAY, then manually tune.

1 Press **MENU** and using ❮ or ❯ select the **Set up** menu, with v highlight **Manual Tuning**, press ❯ to select.



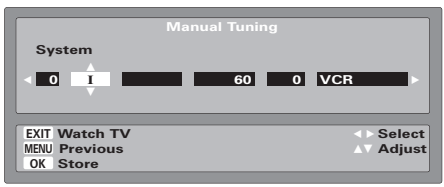
2 Use ^ or v to highlight the programme position required e.g. we suggest ***Prog. 0*** for a VCR.



Different **Channel** numbers may be displayed

3 Press **OK** to select.

4 Press ❯ to select **System** and use ^ or v to change (*if required, see page 8*).

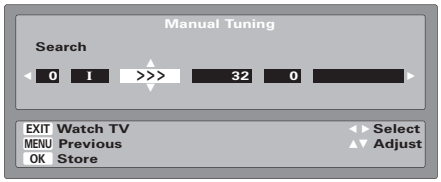


Continues on the next page

Manual tune continued
Programme skip

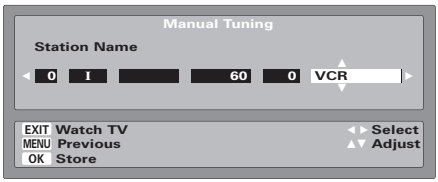
5 Then press ❯ to select **Search**.

6 Pressing ^ or v will begin the search. **Search** will flash and the television will show the channel numbers.



7 Each signal will show on the television, if it is not your VCR, press ^ or v again to restart the search.

8 When your VCR signal is found, press ❯ to move along to **Station**. With ^, v, ❮ and ❯ put in the required Name, e.g. **VCR**.



9 Press **OK** to store.

10 Repeat for each ***programme position*** you want to tune or, press **MENU** to return to the list of channels and select the next number to tune.

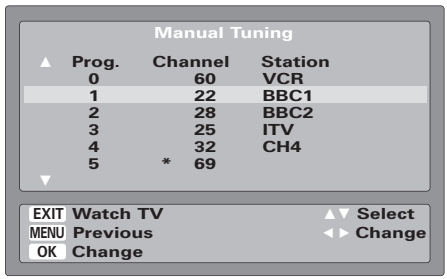
11 Press **EXIT** when you have finished.

PLEASE NOTE This television has direct channel entry if the channel numbers are known. Select the **Manual Tuning** screen in ***Step 3***. Enter the **Programme number**, the **System**, then the **Channel** number. Press **OK** to store.

Programme skip

To prevent certain programmes from being viewed, the programme position can be skipped. The remote control must be removed as the channels will still be available using ^ and v. The television can then be watched as normal using the controls on the front, but the television will not show the skipped programme position.

1 Select **Manual Tuning** from the **Set up** menu.

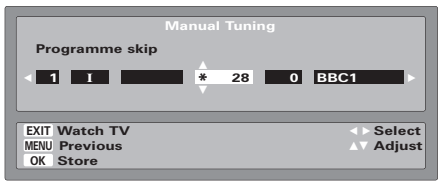


2 Use ^ or v to highlight the programme position to be skipped and press **OK** or ❯ to select.

3 Press ❯ to select **Programme skip**.

4 Use ^ or v to turn **Programme skip** on. Press **OK** to store.

* on the screen indicates a skipped programme position.



5 Press **MENU** and repeat from ***Step 2*** or press **EXIT**.

Each programme position has to be *individually* selected. To turn **Programme skip** off, repeat the procedure for each position.

Skipped programme positions ***cannot*** be selected by **P▲** (^) and **P▼** (v) or by the controls on the front of the television, but can still be accessed by the number buttons on the remote control.

General and sound controls, stereo/bilingual transmissions

Selecting programme positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using **P▲** (❮) and **P▼** (❯).

To revert to the previous programme position press ⇄.

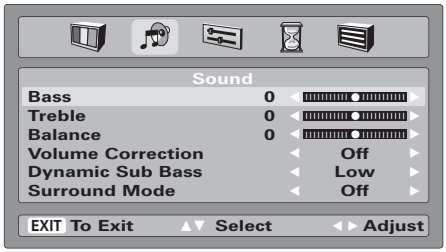
To display on-screen information i.e. programme position, input mode or stereo/mono signal, press **CALL**.

Sound controls

Volume
Press ◿— (❮) or ◿+ (❯) to adjust the volume.

Sound Mute
Press 🔇 once to turn the sound off and again to cancel.

Bass, Treble and Balance



1. Press **MENU** and using ❮ or ❯ select the **Sound** menu.
2. Press ❯ to highlight **Bass**, **Treble** or **Balance** and ❮ or ❯ to change the setting.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

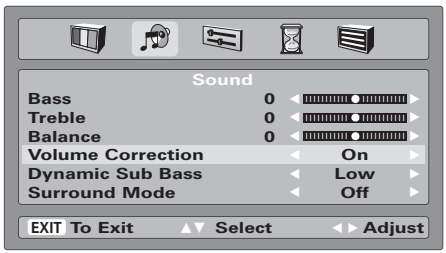
Stereo... Press ⌬ I/II to select ***Stereo*** or ***Mono***.

Bilingual... Bilingual transmissions are rare. If they are transmitted the word ***Dual*** will display. Choose the required programme number and if the word ***Dual*** appears press ⌬ I/II to select ***Sound A***, ***Sound B*** or ***Mono***.

Volume Correction

Volume Correction helps to reduce the difference of volume from one programme/channel to another.

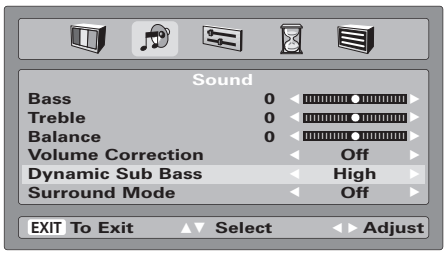
1. Select **Volume Correction** from the **Sound** menu.
2. Press ❮ or ❯ to select between **On** and **Off**.



Dynamic Sub Bass

This feature gives a richer sound by filtering the sound level.

1. Select **Dynamic Sub Bass** from the **Sound** menu.
2. Press ❮ or ❯ to select between **Off**, **Low**, **Medium** and **High**. **High** is the richest sound.

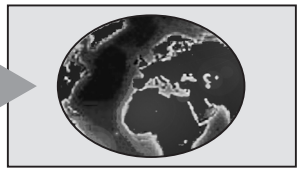


Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press the ⊞ button repeatedly to select between **Super Live**, **Cinema**, **Subtitle**, **Wide** and **4:3**.
Please note: Whenever the **MENU** button is pressed the picture size setting will change while the menus are ON the screen. This is to ensure that the menus do not overlap the edges of the viewable area.

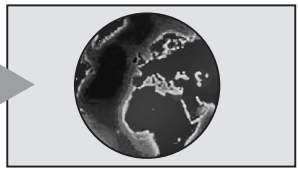
SUPER LIVE

This setting will enlarge the image to fit the screen by stretching the image horizontally, holding the correct proportions at the centre of the image. Some distortion may occur.



CINEMA

When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.

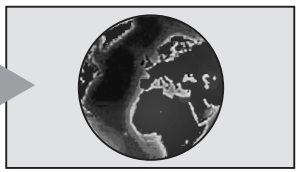


SUBTITLE

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.

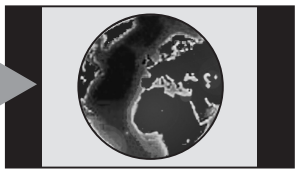
WIDE

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.



4:3

Use this setting to view a true 4:3 broadcast.



Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

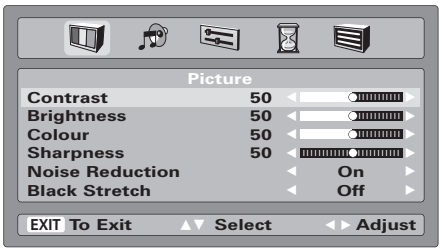
Picture controls

Picture preferences

This television offers the choice of personalising the picture style. Press ⇥◪⇤ to view the different styles available:

***Picture mode-1** to **3** are preset options and **Picture mode-M** stores your own settings:*

1 Press **MENU** and using ❮ or ❯ select the **Picture** menu.



2 Use ❮ or ❯ to adjust the **Contrast**, **Brightness**, **Colour** and **Sharpness**.

Noise Reduction

***Noise Reduction** enables you to 'soften' the screen representation of a weak signal to reduce the noise effect.*

1 Select **Noise Reduction** from the **Picture** menu. Select between **On** and **Off** to obtain the best picture. The differences may not always be noticeable.

Black Stretch

Black Stretch *increases the strength of dark colours to improve the contrast.*

1 In the **Picture** menu press ❯ until **Black Stretch** is highlighted.

2 Press ❮ or ❯ to select between **On** and **Off**. The effect depends on the broadcast and is most noticeable on dark colours.

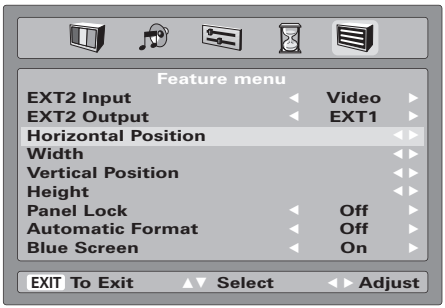
Picture position

The picture position may be adjusted to suit personal preference and can be particularly useful for external inputs.

1 Press **MENU** and using ❮ or ❯ select the **Feature menu**.

The options alter depending on the widescreen format chosen and when viewing connected equipment.

In **Cinema**:



2 Press ❮ and ❯ to select an option, then ❮ or ❯ to adjust the settings.

Automatic format (Widescreen)

*When this television receives a true Widescreen picture and **Automatic Format** is **On**, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.*

1 Select **Automatic Format** from the **Feature menu**, then select **On** or **Off**.

Still picture

This television's 100Hz double scanning plus digital picture processing produces a flicker-reduced picture. In addition, a still image can be held on the screen.

1 Press ▼ to hold an image on the screen. Press ▼ again to cancel.

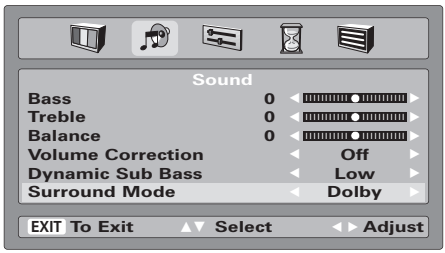
Virtual Dolby Surround

Programmes with Dolby Surround (or Dolby Digital) soundtracks will be greatly enhanced by the effects of Virtual Surround from the television and connected equipment, e.g. DVD player, games console, etc.

Home theatre surround systems require five or more separate speakers, this television offers the Virtual Dolby Surround option, the benefits of a five speaker system WITHOUT connecting any additional speakers. In order to obtain the full effect of Virtual Surround, seating must be directly in front of the televisions two speakers to ensure that the timing and frequency response information is preserved.

Selecting Virtual Surround

1 Sit directly in front of the television. Press **MENU** and ❮ or ❯ to select the **Sound** menu.



2 ***For ZH46 Models***

Press ❯ to select **Surround Mode**, then ❮ or ❯ to select between **Off** and **Spatial**. Press **EXIT** to finish.

Alternatively, press ⋈ to highlight **Surround Mode** in the **Sound** menu, then ❮ or ❯ to select between **Off** and **Spatial**.

For ZH47 Models

Press ❯ to select **Surround Mode**, then ❮ or ❯ to select between **Off**, **Spatial**, **Panorama** and **Dolby**. Press **EXIT** to finish.

Alternatively, press ⋈ to highlight **Surround Mode** in the **Sound** menu, then ❮ or ❯ to select between **Off**, **Spatial**, **Panorama** and **Dolby**.

Virtual Surround effects

Spatial
Selecting the Spatial Audio mode will give a widening of the sound. The sound will give the impression of coming from beyond the edges of the television set.

Panorama
Selecting the Panorama mode gives not only a widening of the sound but also an amount of surround sound. Traditional surround systems give left, right, centre and surround channels, Panorama gives the sensation of these systems without the need for extra speakers.

Dolby
Selecting Dolby (Virtual Dolby) enables the listener to enjoy convincing surround sound from the two speakers in the television.

After multichannel programme material is decoded by the integrated Dolby Surround Pro Logic decoder, the surround signal is processed by a virtualiser and mixed back into the left and right channels. Playback over stereo speakers results in a phantom centre and a realistic surround image.

Dolby is **not** available through headphones.

Dolby is the abbreviation for Virtual Dolby Surround or Virtual Dolby Digital.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

The timer, time display, panel lock and blue screen

The Timer

The television can be set to turn itself **On** *or* **Off** *after a certain time.*

1 Press **MENU** and ❮ or ❯ to select the **Timer** menu.

2 Press ❯ to select **On** or **Off Timer**. Use the number buttons to set the required time. For example, to switch the television off in one and a half hours enter 01:30, or press ❯ to increase/decrease in steps of 30 minutes.

3 If setting the **Off Timer**, press **EXIT** to finish. When the **Off Timer** is set and there is one minute remaining before the television turns off, a reminder will appear on the screen e.g. **Off Timer /59** indicating that there are 59 seconds left.

If setting the **On Timer**, press ❯ to select **On Programme**, enter the programme position number required, then press ⏻ to put the television into Standby. The GREEN On timer indicator on the front of the television will now be lit.

Any equipment connected with SCART leads must also be put into Standby to prevent them from being displayed when the timer switches on.

Once the **On Timer** has been set the television can be switched on at any time by pressing ⏻. The Green On timer indicator will remain on until the set time period as passed when the television will go to the chosen channel. This feature can help to avoid missing favourite programmes.

4 To cancel the **On Timer**, enter zero in each position including the programme position.

The Time Display

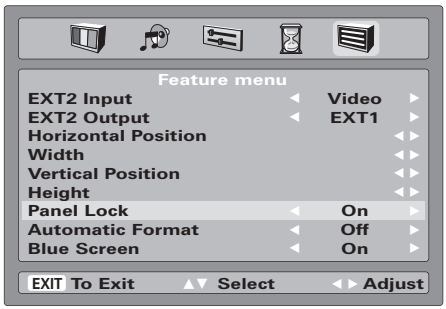
The time display facility allows the current time to be seen on the television screen.

Press ⏲/✉ whilst watching a normal television broadcast to see a time display from the broadcaster. It will remain on screen for about 5 seconds.

Panel Lock

Panel Lock *disables the buttons on the front of the television. All buttons on the remote control can still be used.*

1 From the **Feature menu** select **Panel Lock** and choose **On** or **Off** using ❮ or ❯.


Feature menu
EXT2 Input ◄ Video ►
EXT2 Output ◄ EXT1 ►
Horizontal Position ◄►
Width ◄►
Vertical Position ◄►
Height ◄►
Panel Lock ◄ On ►
Automatic Format ◄ Off ►
Blue Screen ◄ On ►
EXIT To Exit ▲▼ Select ◄► Adjust

When **Panel Lock** is **On**, a reminder will appear when any of the front panel buttons are pressed. Once the television has been switched off it can ONLY be brought out of standby using the remote control.

Blue Screen

When no signal is being received, the television will turn off the sound and switch the television screen to blue. After 15 minutes the television will switch to Standby mode.

1 From the **Feature menu** select **Blue Screen** and choose **On** or **Off** using ❮ or ❯.

Input selection and AV connections

Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment. See page 6 for a clear view of the back connection recommendations.

Most VCRs and decoders send a signal through the SCART lead to switch the television to the correct *Input* socket. Alternatively press the external source selection button ⇥ until the picture from connected equipment is shown.

An ***S*** in the display e.g. ***EXT2S***, indicates the input is set for an S-Video signal.

Input selection

Use the Input Selection if the television does not switch over automatically.

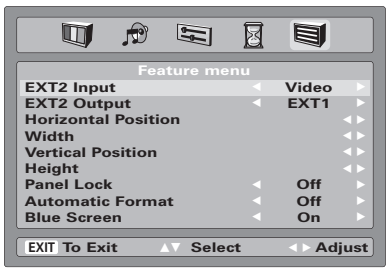
1. Press ⇥ to select **EXT1**, **EXT2** or **EXT3**.
2. To return to television mode press ⇥ again or one of the numbered buttons.

INPUT signal selection

This specifies the type of signal going into SCART 2 (**EXT2**) on the back of the television. Please refer to the manufacturers' instructions for the connected equipment.

1. From the **Feature menu** select **EXT2 Input** and with ❮ or ❯ select either **Video** or **S-VIDEO** as the required ***input***.

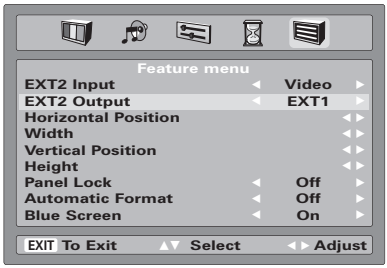
   If the colour is missing try the alternative setting.



OUTPUT signal selection for SCART 2

This enables selection of the source to *output* from SCART 2. For example, to record transmissions in stereo from a stereo decoder – connect a stereo decoder to SCART 1 and stereo VCR to SCART 2, then select **EXT1** as the **EXT2 Output**. The signal received through SCART 1 will output directly through SCART 2.

1. Select **EXT2 Output**.



2. Use ❮ or ❯ to change the **EXT2 Output** option to:

   Monitor = The picture on screen.

   EXT1 = The picture from equipment connected to SCART 1.

   EXT3 = The picture from equipment connected to the front input sockets.

   TV = The last television programme selection.

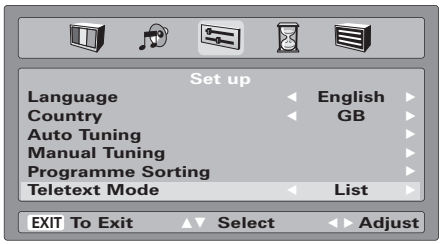
Teletext – setting up, general information, Auto and List modes

This television has a multi-page teletext memory, which takes a few moments to load. It offers two ***Modes*** of viewing text – **Auto** will display **Fastext**, if available. **List** will store your four favourite pages.

Selecting Modes

The teletext character set will be automatically chosen by the language setting in the **Set up** *menu.*

1. Select **Teletext Mode** from the **Set up** menu.
2. With ❮ or ❯ choose **Auto** or **List** then press **EXIT**.



Teletext information

The ☰/▢ button:

To view teletext press ☰/▢. Press again to superimpose the teletext over a normal broadcast picture and again to return to normal viewing. Programmes cannot be changed until teletext is cancelled.

The first text page shown will be the *initial* page.

In **Auto** mode this displays the main subjects available and their relevant page numbers.

In **List** mode this displays whichever page number is currently stored on the **RED** button.

In either mode any teletext page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing **P▲** (^) to advance to the next page and **P▼** (v) to go back to the previous page.

Navigating pages using Auto

If **Fastext** is available four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast teletext index page or, consult your local Toshiba dealer.

Navigating pages using List

The four coloured choices at the bottom of the screen are numbers – 100, 200, 300 and 400, which have been programmed into the television's memory. To view these pages press the relevant coloured buttons.

To *change* these stored pages press the relevant coloured button and enter the 3 digit number. This number will change in the top left of the screen and in the coloured highlight.

Press **OK** to store. The bars at the bottom of the screen will flash white. **Whenever OK is pressed all four page numbers showing at the bottom will be stored and the previous ones will be lost.**

If **OK** is not pressed the selection will be forgotten when teletext is cancelled.

Other pages may be viewed by entering the 3 digit page number – but DO NOT press **OK** or these pages will be stored.

Teletext continued – control buttons

Below is a guide to the functions of the remote control teletext buttons.

To display an index/initial page:

Auto
Press to access index pages. The one displayed is dependant on the broadcaster.

List
Press to return to the page currently stored on the **RED** button.

To display a page of teletext:

Press to display teletext**.** Press again to superimpose teletext over a normal broadcast picture. Press again to return to normal television viewing. Programmes cannot be changed until you return to normal television.

To reveal concealed text:

To discover the solutions on quiz and joke pages press the button.

To hold a wanted page:

At times it is convenient to hold a page of text. Press and **STOP** will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

To enlarge the teletext display size:

Press once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

To select a page whilst viewing a normal page:

Enter the page number then press , a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen. Press to view the page.

To display news flashes:
Select the news flash page for the chosen teletext service (see the index page of teletext service). Press . The news flashes will be displayed as and when they are broadcast. Press again to cancel the display.

The news flash page must be cancelled before changing programmes.

Remember to cancel teletext before changing channels – press the button twice.

Questions and Answers

Below are the answers to some of the most common queries.
For more information go to **www.toshiba.co.uk**

Q *Why is there no sound or picture?*

A Check the mains switch is on and check all connections.
Check the television is not in standby mode.

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the television as shown on page 6, then select the correct input by pressing ⇥.

Q *Why is there a good video picture but no sound?*

A Check the SCART lead connection.

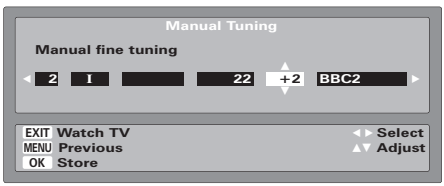
Q *Why is there a picture but no sound?*

A Check the volume has not been turned down or that sound mute has not been selected.

Q *What else can cause a poor picture?*

A Interference or a weak signal. Try a different television station. ***Manual fine tuning*** may help.

1. Select **Manual Tuning** from the **Set up** menu. Highlight the station and press **OK**.
2. Press ❯ to select **Manual fine tuning**.



3. Using ^ or ⌄ adjust to get the best picture and sound.
4. Press **OK** and then **EXIT**.

Q *Why is the VCR/DVD picture in black and white?*

A Check the correct ***input*** has been chosen, **S-VIDEO** or **Video**. See ***AV connections***.

Q *Why doesn't the remote control work?*

A Check the side switch on the remote control is in television mode.
Check the batteries aren't dead or inserted incorrectly.

Q *Why don't the controls on the front of the television work?*

A Check that **Panel Lock** is not **On**.

Q *Why is there a message permanently on the screen?*

A Remove it by pressing **CALL**.

Q *Where there is loss of colour, picture or the position moves, how can this be restored?*

A Switch the television off and wait for the red LED to extinguish before switching back on. If the problem persists contact the Helpline.

Q *Why are there problems with teletext?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the Text is unreadable or garbled, check the aerial. Go to the *main index* page of the teletext service and look for the *User Guide*. This will explain the basic operation of teletext in some detail. If further information is needed on how to use text *see the teletext section.*

Specifications and accessories

Broadcast systems/channels

PAL-I	UHF	UK21-UK69
PAL-B/G	UHF	E21-E69
	VHF	E2-E12, S1-S41
SECAM-L	UHF	F21-F69
	VHF	F1-F10, B-Q
SECAM-D/K	UHF	R21-R69
	VHF	R1-R12

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input	21-pin SCART	RGB, A/V
EXT2	Input/Output	21-pin SCART	A/V, S-video, Selectable output
EXT3	Input (front)	Phono jack	Video
		Phono jacks	Audio L + R

Programme Positions		100
Stereo		Nicam 2 carrier system (IGR)
Visible Screen Size (approx.)	28ZH	66cm
	32ZH	76cm
Display		16:9
Sound output (at 10% distortion)		Main 5W + 5W
Power consumption as specified in EN60107-1 : 1997	28ZH	115W
	32ZH	100W
Standby	28ZH	<2W
	32ZH	<2W
Dimensions (approx.)	28ZH	51cm (H) 68cm (W) 50cm (D)
	32ZH	55cm (H) 76cm (W) 55cm (D)
Weight (approx.)	28ZH	39kg
	32ZH	50kg
Headphone socket		3.5mm stereo
Accessories		Remote control 2 batteries (UM-4, AAA, IEC R03 1.5V)

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Consumer Products Division,
European Service Centre,
Admiralty Way, Camberley,
Surrey, GU15 3DT, UK

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